

Claims:

1. A hood (1), in particular for a clothing item (2), preferably for protective and/or military purposes, such as an NBC protective suit or the like, the hood (1) comprising a circumferential elastic hem (3) to form a face opening (4), the face opening (4) being provided to receive a respirator (5) and the hem (3) abutting the respirator (5) in the use state,
characterized in
that the side of hem (3) that faces into the face opening (4) is provided with at least one circumferential sealing element (6) for closeout abutment of the respirator (5).
2. The hood according to claim 1 which is characterized in that the sealing element (6) abuts the respirator (5) at least essentially linearly, and/or in that the sealing element (6) projects and/or protrudes from the hem (3).
3. The hood according to claim 1 or 2 which is characterized in that the sealing element (6) is secured to the hem (3), in particular is durably joined to the hem (3), preferably by stitching, interweaving, adhering, stapling, welding or the like.
4. The hood according to any one of the preceding claims which is characterized in that the sealing element (6) is part of the hem (3), in particular the sealing element (6) and the hem (3) are configured as a one-piece structure.
5. The hood according to any one of the preceding claims which is characterized in that the sealing element (6) is configured as a sealing ring, as a sealing lip or as a sealing protrusion.

6. The hood according to any one of the preceding claims which is characterized in that the sealing element (6) is thread, ligament, string or strip shaped and/or webbed and/or honeycomb shaped.
- 5 7. The hood according to any one of the preceding claims which is characterized in that a plurality of sealing elements (6) are provided and in particular the individual sealing elements (6) are in
10 an at least essentially parallel arrangement and/or in particular the individual sealing elements (6) may form a honeycomblike construction.
- 15 8. The hood according to any one of the preceding claims which is characterized in that the sealing element (6) consists of an elastically deformable material and in particular the elasticity of the sealing element (6) corresponds at least essentially to the elasticity of the hem (3).
- 20 9. The hood according to any one of the preceding claims which is characterized in that the cross-sectional thickness d of the sealing element (6) is not less than 1/4, in particular not less than
25 1/3, preferably not less than 2/3 and more preferably not less than 3/4 of the cross-sectional thickness D of the hem (3), and/or the sealing element (6) projects and/or protrudes from the hem (3) by not less than 0.1 mm, in particular not
30 less than 0.25 mm, preferably not less than 0.4 mm, more preferably not less than 0.6 mm and even more preferably to an extent of 1 mm or more.
- 35 10. The hood according to any one of the preceding claims which is characterized in that the sealing element (6) has a relative elastic extensibility, based on its original length, of not less than 20%, in particular not less than 30%, preferably not less than 50%, more preferably not less than

70% and even more preferably not less than 85% or more, and/or in that the material of which the sealing element (6) consists has a 25°C modulus of elasticity in stretching which is not more than
5 $10^8 \text{ N}\cdot\text{m}^{-2}$, in particular not more than $10^7 \text{ N}\cdot\text{m}^{-2}$, preferably not more than $5\cdot 10^6 \text{ N}\cdot\text{m}^{-2}$, and is preferably in the range from $5\cdot 10^5 \text{ N}\cdot\text{m}^{-2}$ to $9\cdot 10^6 \text{ N}\cdot\text{m}^{-2}$.

11. The hood according to any one of the preceding
10 claims which is characterized in that the hood (1) including the face opening (4) comprises, in particular on the side portion of face opening (4), a fastener (7), in particular in the form of a touch and close fastener or zip fastener, and/or in that
15 the hood (1) is detachable from the rest of clothing item (2).

12. The hood according to any one of the preceding
claims which is characterized in that the hood (1)
20 is fully or partially lined on its inside surface with an inside material, the inside material comprising an adsorption-capable material, in particular activated carbon, preferably in the form of activated carbon granules or spherules and/or
25 activated carbon fibers, and/or a water vapor pervious, at least essentially gas and/or air impervious barrier layer which prevents or at least retards the passage of harmful gases or liquids, in particular chemical warfare agents.

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13. The hood according to any one of the preceding claims which is characterized in that the hood (1) comprises at least one loop, tab or the like (8) above the face opening (4).

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14. A clothing item (2), preferably for protective and/or military purposes, such as an NBC protective suit or the like, comprising a hood (1) according to any one of the preceding claims.
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15. The clothing item according to claim 14 which is characterized in that the hood (1) is durably joined to the rest of clothing item (2), in particular by stitching, interweaving, adhering, stapling or the like, or in that the hood (1) and the rest of clothing item (2) form a one-piece construction, or in that the hood (1) is detachable from the rest of clothing item (2), in particular by means of a zip fastener or of a touch and close fastener.
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16. The clothing item according to claim 14 or 15 which is characterized in that the clothing item (2) is fully or partially lined on its inside surface with an inside material, the inside material comprising an adsorption-capable material, in particular activated carbon, preferably in the form of activated carbon granules or spherules and/or activated carbon fibers, and/or a water vapor pervious, at least essentially gas and/or air impervious barrier layer which prevents or at least retards the passage of harmful gases or liquids, in particular chemical warfare agents.
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17. A clothing item (2), in particular for protective and/or military purposes, such as an NBC protective suit or the like, the clothing item (2) comprising at least one opening (4) for a body part, such as a hand, arm, foot, leg or head, having a circumferential elastic hem (3) to form this opening (4), the opening (4) being provided to receive a further clothing item in particular having a smooth surface texture and/or to receive an outfit article (5) and the hem (3) abutting the further
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clothing item and/or the outfit article (equipment article) in the use state,

characterized in

5 that the side of the hem that faces the further clothing item and/or the outfit article (5), preferably the side of hem (3) which faces into the opening (4), is provided with at least one circumferential sealing element (6) for closeout abutment of the further clothing item and/or outfit
10 article (5).

18. The clothing item according to claim 17 which is characterized by the features of the characterizing portion of one or more of claims 1 to 16.

15 19. The use of an elastic hem (3) for closing out the transition between a portion of a clothing item (2), in particular a hood (1), on the one hand and a further clothing item and/or outfit article (5),
20 in particular a respirator, on the other,

characterized in

that the side of hem (3) that faces the further clothing item and/or the outfit article (5) is provided with at least one circumferential sealing
25 element (6) for closeout abutment of the further clothing item and/or outfit article (5).

20. The use according to claim 19 for closing out the transition of a hood (1) of a clothing item (2),
30 preferably for protective and/or military purposes, such as an NBC protective suit or the like, and of a respirator (5).

21. The use according to claim 19 or 20 which is characterized by features of the characterizing portion of one or more of claims 1 to 16.
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